

**VAULT CONTROLLER SUPERVISOR AND METHOD OF OPERATION FOR
MANAGING MULTIPLE INDEPENDENT VAULT PROCESSES AND
BROWSER SESSIONS FOR USERS IN AN ELECTRONIC BUSINESS SYSTEM**

Abstract

5 A vault controller manages resources in a secure environment or vault dedicated
to an authorized user(s) for conducting electronic business in a distributed information
system, e.g., the Internet. The controller includes a web server and a supervisor in a
shared object library which runs as part of an HTTP daemon. The supervisor runs as a
multi-threaded process and includes multiple service supervisor (SS) threads; a
10 communication supervisor (CS) thread; a request supervisor (RS) thread; state and data
tables and a vault daemon to support launching secure processes mapped to users through
digital certificates included in user requests to the controller.